

## CLAIMS

1. A floor surface finishing device comprising: a plane leveling machine having a plurality of rotary blades which rotate in a propeller manner by a driving force while keeping in contact with a floor surface to be finished, and a planar finishing blade which is connected to the plane leveling machine and is disposed in a part of outer peripheral regions of planes of rotation of the rotary blades, wherein said finishing blade is disposed so that at least a part of the finishing blade is brought into contact with the floor surface after the rotary blades have come into contact with and passed over the floor surface.

10

2. The floor surface finishing device according to claim 1, wherein said finishing blade is slanted to have an angle of attack toward a pivotal center of the rotary blades.

15 3. The floor surface finishing device according to claim 2, further comprising an angle adjusting mechanism for varying an angle of attack of the finishing blade.

4. The floor surface finishing device according to claim 1, wherein said finishing blade is movable in a direction including a moving direction along a pivotal center 20 of the rotary blades.

5. The floor surface finishing device according to claim 1, further comprising a pressing means for pressing the finishing blade against the floor surface to be finished.

25 6. The floor surface finishing device according to claim 5, wherein said

pressing means is a plumb bob.

7. The floor surface finishing device according to claim 5, wherein said finishing blade is rotatable around the rotary blades.

5

8. The floor surface finishing device according to claim 1, wherein at least a part of said finishing blade is formed of a flexible elastic plate.

9. The floor surface finishing device according to claim 1, wherein said  
10 finishing blade is detachable from the plane leveling machine.

10. The floor surface finishing device according to claim 1, further comprising a seat for an operator provided on a part of the plane leveling machine.